

# Jin Z Zhang

## List of Publications by Year in descending order

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340  
papers

32,755  
citations

4136

87  
h-index

4545

171  
g-index

344  
all docs

344  
docs citations

344  
times ranked

34278  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Surface Oxygen Vacancies in Tungsten Oxides for Surface Plasmon Resonance-Enhanced Near-Infrared Photoreduction of Cr(VI). ACS ES&T Water, 2023, 3, 1536-1546.	2.3	3
2	ACS Physical Chemistry Au: One Year In. ACS Physical Chemistry Au, 2022, 2, 1-2.	1.9	0
3	Near-Infrared Light Absorbing Silver-Coated Hollow Gold Nanostars for Surface-Enhanced Raman Scattering Detection of Bovine Serum Albumin Using Capping Ligand Exchange. Journal of Physical Chemistry C, 2022, 126, 1026-1035.	1.5	9
4	Impact of Molecular Ligands in the Synthesis and Transformation between Metal Halide Perovskite Quantum Dots and Magic Sized Clusters. ACS Physical Chemistry Au, 2022, 2, 156-170.	1.9	18
5	Novel Pt-Ni Electrocatalyst for Coal Electrolysis for Hydrogen Production. Journal of the Electrochemical Society, 2022, 169, 044514.	1.3	2
6	Disruption of dual homeostasis by a metal-organic framework nanoreactor for ferroptosis-based immunotherapy of tumor. Biomaterials, 2022, 284, 121502.	5.7	29
7	An Open Letter to Aspiring Authors. ACS Physical Chemistry Au, 2022, 2, 68-69.	1.9	3
8	Activation of TRPV1 by capsaicin-loaded CaCO <sub>3</sub> nanoparticle for tumor-specific therapy. Biomaterials, 2022, 284, 121520.	5.7	27
9	Novel Pd-Cr electrocatalyst with low Pd content for coal electrolysis for hydrogen production. Journal of Power Sources, 2021, 483, 229175.	4.0	12
10	Designed synthesis of chlorine and nitrogen co-doped Ti <sub>3</sub> C <sub>2</sub> MXene quantum dots and their outstanding hydroxyl radical scavenging properties. Journal of Materials Science and Technology, 2021, 78, 30-37.	5.6	43
11	Ultrastable Plasmonic Cu-Based Core-Shell Nanoparticles. Chemistry of Materials, 2021, 33, 695-705.	3.2	29
12	Tuning morphology-dependent localized surface plasmon resonance in quasi-metallic tungsten oxide nanostructures for enhanced photocatalysis. Journal of Materials Chemistry C, 2021, 9, 1614-1621.	2.7	23
13	Structural control and biomedical applications of plasmonic hollow gold nanospheres: A mini review. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1694.	3.3	8
14	Enhancing the Photoluminescence and Stability of Methylammonium Lead Halide Perovskite Nanocrystals with Phenylalanine. Journal of Physical Chemistry C, 2021, 125, 2793-2801.	1.5	11
15	Carbon Fibers Coated with Ternary Ni-Co-Se Alloy Particles as a Low-Cost Counter Electrode for Flexible Dye Sensitized Solar Cells. ACS Applied Energy Materials, 2021, 4, 870-878.	2.5	22
16	Design and preparation of three-dimensional hetero-electrocatalysts of NiCo-layered double hydroxide nanosheets incorporated with silver nanoclusters for enhanced oxygen evolution reactions. Nanoscale, 2021, 13, 11150-11160.	2.8	25
17	Interplay between Perovskite Magic-Sized Clusters and Amino Lead Halide Molecular Clusters. Research, 2021, 2021, 6047971.	2.8	13
18	Real-Time Monitoring of Aqueous Organic Reduction Reactions Using Ex Situ Fiber Optic Raman Spectroscopy. ACS Sustainable Chemistry and Engineering, 2021, 9, 6068-6078.	3.2	2

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19	Three-dimensional core-shell CoFe Prussian blue analog at NiCoFe layered ternary hydroxide electrocatalyst for efficient oxygen evolution reaction. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	13
20	State of the Art and Prospects for Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2021, 15, 10775-10981.	7.3	705
21	Scavenging activity and reaction mechanism of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene as a novel free radical scavenger. <i>Ceramics International</i> , 2021, 47, 16555-16561.	2.3	9
22	High Efficiency Luminescent Solar Concentrator based on Organo-Metal Halide Perovskite Quantum Dots with Plasmon Enhancement. <i>Advanced Optical Materials</i> , 2021, 9, 2100754.	3.6	16
23	Enhancing Defect Tolerance with Ligands at the Surface of Lead Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6299-6304.	2.1	20
24	Indole Alkaloids from a Soil-Derived <i>Clonostachys rosea</i> . <i>Journal of Natural Products</i> , 2021, 84, 2468-2474.	1.5	15
25	Highly Emissive and Stable Cs <sub>2</sub> AgInCl <sub>6</sub> Double Perovskite Nanocrystals by Bi <sup>3+</sup> Doping and Potassium Bromide Surface Passivation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18372-18379.	1.5	15
26	Synthesis and Optical Properties of Mn <sup>2+</sup> -Doped Amino Lead Halide Molecular Clusters Assisted by Chloride Ion. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7497-7503.	2.1	8
27	Charge State of Au <sub>25</sub> (SC) <sub>18</sub> Nanoclusters Induced by Interaction with a Metal Organic Framework Support and Its Effect on Catalytic Performance. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8003-8008.	2.1	7
28	Selective Thrombosis of Tumor for Enhanced Hypoxia-Activated Prodrug Therapy. <i>Advanced Materials</i> , 2021, 33, e2104504.	11.1	45
29	Diverse anti-inflammation and anti-cancer polyketides isolated from the endophytic fungi <i>Alternaria</i> sp. MG1. <i>FÄ-toterapÄ-Ä</i> , 2021, 153, 105000.	1.1	16
30	Ultrafast Study of Exciton Transfer in Sb(III)-Doped Two-Dimensional [NH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> NH <sub>3</sub> ] <sub>4</sub> CdBr <sub>4</sub> Perovskite. <i>ACS Nano</i> , 2021, 15, 15354-15361.	7.3	47
31	Interface engineering of heterojunction photocatalysts based on 1D nanomaterials. <i>Catalysis Science and Technology</i> , 2021, 11, 27-42.	2.1	86
32	Enhanced Photoluminescence of All-Inorganic Manganese Halide Perovskite-Analogue Nanocrystals by Lead Ion Incorporation. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10204-10211.	2.1	16
33	Hollow Gold Nanosphere Templated Synthesis of PEGylated Hollow Gold Nanostars and Use for SERS Detection of Amyloid Beta in Solution. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12344-12352.	1.2	6
34	ACS Physical Chemistry Au: A Journal Celebrating Open Science across the Broad Horizons of Physical Chemistry. <i>ACS Physical Chemistry Au</i> , 2021, 1, 1-2.	1.9	0
35	Nitrogen-Doped Ti <sub>2</sub> C MXene Quantum Dots as Antioxidants. <i>ACS Applied Nano Materials</i> , 2021, 4, 12308-12315.	2.4	24
36	Modulating optical properties and interfacial electron transfer of CsPbBr <sub>3</sub> perovskite nanocrystals via indium ion and chlorine ion co-doping. <i>Journal of Chemical Physics</i> , 2021, 155, 234701.	1.2	3

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37	Breaking Forbidden Transitions for Emission of Self-Trapped Excitons in Two Dimensional (F <sub>2</sub> CHCH <sub>2</sub> NH <sub>3</sub> ) <sub>2</sub> CdBr <sub>4</sub> Perovskite through Pb Alloying. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 199-205.	2.1	50
38	Low-Temperature Energy Transfer <i>via</i> Self-Trapped Excitons in Mn <sup>2+</sup> -Doped 2D Organometal Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10368-10374.	2.1	9
39	Ultrasmall Peptide-Coated Platinum Nanoparticles for Precise NIR-II Photothermal Therapy by Mitochondrial Targeting. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39434-39443.	4.0	40
40	Miniature Hollow Gold Nanorods with Enhanced Effect for In Vivo Photoacoustic Imaging in the NIR-II Window. <i>Small</i> , 2020, 16, e2002748.	5.2	56
41	Modulating Charge Carrier Dynamics and Transfer via Surface Modifications in Organometallic Halide Perovskite Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7886-7892.	2.1	11
42	Recent advances in ultrathin two-dimensional materials and biomedical applications for reactive oxygen species generation and scavenging. <i>Nanoscale</i> , 2020, 12, 19516-19535.	2.8	65
43	Bandgap Engineering of Lead-Free Double Perovskite Cs <sub>2</sub> AgInCl <sub>6</sub> Nanocrystals via Cu <sup>2+</sup> -Doping. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8392-8398.	2.1	68
44	Defect-Related Broadband Emission in Two-Dimensional Lead Bromide Perovskite Microsheets. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8157-8163.	2.1	54
45	Varying the Concentration of Organic Acid and Amine Ligands Allows Tuning between Quantum Dots and Magic-Sized Clusters of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite: Implications for Photonics and Energy Conversion. <i>ACS Applied Nano Materials</i> , 2020, 3, 12379-12387.	2.4	20
46	Hollow Au Nanosphere-Cu <sub>2</sub> O Core-Shell Nanostructures with Controllable Core Surface Morphology. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11333-11339.	1.5	21
47	Light-Induced Caspase-3-Responsive Chimeric Peptide for Effective PDT/Chemo Combination Therapy with Good Compatibility. <i>ACS Applied Bio Materials</i> , 2020, 3, 2392-2400.	2.3	0
48	Core/shell cable-like Ni <sub>3</sub> S <sub>2</sub> nanowires/N-doped graphene-like carbon layers as composite electrocatalyst for overall electrocatalytic water splitting. <i>Chemical Engineering Journal</i> , 2020, 401, 126045.	6.6	134
49	Enhancing Charge Carrier Delocalization in Perovskite Quantum Dot Solids with Energetically Aligned Conjugated Capping Ligands. <i>ACS Energy Letters</i> , 2020, 5, 817-825.	8.8	58
50	Room temperature synthesis of cesium lead bromide perovskite magic sized clusters with controlled ratio of carboxylic acid and benzylamine capping ligands. <i>Solar Energy Materials and Solar Cells</i> , 2020, 208, 110341.	3.0	23
51	Dependence of stability and electronic and optical properties of perovskite quantum dots on capping ligand chain length. <i>Journal of Chemical Physics</i> , 2020, 152, 034701.	1.2	13
52	Enhanced Photogenerated Electron Transfer in a Semiartificial Photosynthesis System Based on Highly Dispersed Titanium Oxide Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1822-1827.	2.1	24
53	First Synthesis of Mn-Doped Cesium Lead Bromide Perovskite Magic Sized Clusters at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1162-1169.	2.1	41
54	Nitrogen-Doped Porous Carbon Cages for Electrocatalytic Reduction of Oxygen: Enhanced Performance with Iron and Cobalt Dual Metal Centers. <i>ChemCatChem</i> , 2020, 12, 3230-3239.	1.8	18

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55	Intracellular Ca <sup>2+</sup> Cascade Guided by NIR-II Photothermal Switch for Specific Tumor Therapy. <i>IScience</i> , 2020, 23, 101049.	1.9	30
56	Cellulose as Sacrificial Biomass for Photocatalytic Hydrogen Evolution over One-dimensional CdS Loaded with NiS <sub>2</sub> as a Cocatalyst. <i>ChemistrySelect</i> , 2020, 5, 1470-1477.	0.7	17
57	The effect of polymer and gold functionalization on the magnetic properties of magnetite nanoparticles. <i>Biomedical Spectroscopy and Imaging</i> , 2019, 7, 115-124.	1.2	2
58	A "Cocktail" Approach to Effective Surface Passivation of Multiple Surface Defects of Metal Halide Perovskites Using a Combination of Ligands. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5055-5063.	2.1	26
59	Au Hollow Nanorods-Chimeric Peptide Nanocarrier for NIR-II Photothermal Therapy and Real-time Apoptosis Imaging for Tumor Theranostics. <i>Theranostics</i> , 2019, 9, 4971-4981.	4.6	44
60	Carbon Fiber Supported Pt-Co Electrocatalyst for Coal Electrolysis for Hydrogen Production. <i>Journal of the Electrochemical Society</i> , 2019, 166, E395-E400.	1.3	13
61	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5837-5848.	1.1	2
62	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5973-5984.	1.2	1
63	Tuning from Quantum Dots to Magic Sized Clusters of CsPbBr <sub>3</sub> Using Novel Planar Ligands Based on the Trivalent Nitrate Coordination Complex. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4409-4416.	2.1	23
64	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17063-17074.	1.5	1
65	The <i>JPC</i> Periodic Table. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4051-4062.	2.1	2
66	Ligand Dependent Growth and Optical Properties of Hybrid Organo-metal Halide Perovskite Magic Sized Clusters. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18746-18752.	1.5	28
67	Size and temperature dependence of photoluminescence of hybrid perovskite nanocrystals. <i>Journal of Chemical Physics</i> , 2019, 151, 154705.	1.2	24
68	Linear Dichroism and Nondestructive Crystalline Identification of Anisotropic Semimetal Few-layer MoTe <sub>2</sub> . <i>Small</i> , 2019, 15, e1903159.	5.2	24
69	B-Site doped lead halide perovskites: synthesis, band engineering, photophysics, and light emission applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2781-2808.	2.7	124
70	Synergistic Surface Passivation of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite Quantum Dots with Phosphonic Acid and (3-aminopropyl)triethoxysilane. <i>Chemistry - A European Journal</i> , 2019, 25, 5014-5021.	1.7	43
71	Size Dependence of Charge Carrier Dynamics in Organometal Halide Perovskite Nanocrystals: Deciphering Radiative Versus Nonradiative Components. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4610-4619.	1.5	29
72	Optimizing oxygen functional groups in graphene quantum dots for improved antioxidant mechanism. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1336-1343.	1.3	70

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73	Reasonably retard O <sub>2</sub> consumption through a photoactivity conversion nanocomposite for oxygenated photodynamic therapy. <i>Biomaterials</i> , 2019, 218, 119312.	5.7	24
74	Enhanced visible-light-driven photocatalytic hydrogen generation using NiCo <sub>2</sub> S <sub>4</sub> /CdS nanocomposites. <i>Chemical Engineering Journal</i> , 2019, 378, 122089.	6.6	59
75	Incorporating iron in nickel cobalt layered double hydroxide nanosheet arrays as efficient oxygen evolution electrocatalyst. <i>Electrochimica Acta</i> , 2019, 317, 684-693.	2.6	36
76	Yolk-shell nanostructures as an emerging photocatalyst paradigm for solar hydrogen generation. <i>Nano Energy</i> , 2019, 62, 289-298.	8.2	83
77	Efficient Trap-Mediated Mn <sup>2+</sup> Dopant Emission in Two Dimensional Single-Layered Perovskite (CH <sub>3</sub> CH <sub>2</sub> NH <sub>3</sub> ) <sub>2</sub> PbBr <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2019, 123, 14239-14245.	1.5	62
78	Ultrasonication-assisted synthesis of CsPbBr <sub>3</sub> and Cs <sub>4</sub> PbBr <sub>6</sub> perovskite nanocrystals and their reversible transformation. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 666-676.	1.5	35
79	Fe <sub>3</sub> O <sub>4</sub> @Astragalus Polysaccharide Core-Shell Nanoparticles for Iron Deficiency Anemia Therapy and Magnetic Resonance Imaging in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 10452-10461.	4.0	35
80	NIR Light-Degradable Antimony Nanoparticle-Based Drug-Delivery Nanosystem for Synergistic Chemo-Photothermal Therapy in Vitro. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 48290-48299.	4.0	39
81	Bumpy Hollow Gold Nanospheres for Theranostic Applications: Effect of Surface Morphology on Photothermal Conversion Efficiency. <i>ACS Applied Nano Materials</i> , 2019, 2, 1072-1081.	2.4	34
82	Polar-Solvent-Free Synthesis of Highly Photoluminescent and Stable CsPbBr <sub>3</sub> Nanocrystals with Controlled Shape and Size by Ultrasonication. <i>Chemistry of Materials</i> , 2019, 31, 365-375.	3.2	67
83	Enhanced Photoelectrochemical and Photocatalytic Properties of CdS Nanowires Decorated with Ni <sub>3</sub> S <sub>2</sub> Nanoparticles under Visible Light Irradiation. <i>Journal of the Electrochemical Society</i> , 2019, 166, H3146-H3153.	1.3	15
84	(Invited) A "Cocktail" Approach to Effective Passivation of Metal Halide Perovskite Magic Sized Clusters and Quantum Dots Using Novel Planar Molecular Ligands Based on Trivalent Metal Nitrate Coordination Complex. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
85	Enhanced Photoluminescence and Stability of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite Nanocrystals with Protonated Melamine. <i>ChemNanoMat</i> , 2018, 4, 409-416.	1.5	6
86	Highly Stable Hybrid Perovskite Solar Cells Modified with Polyethylenimine via Ionic Bonding. <i>ChemNanoMat</i> , 2018, 4, 649-655.	1.5	25
87	Highly stable and efficient hybrid perovskite solar cells improved with conductive polyanilines. <i>Materials Research Bulletin</i> , 2018, 106, 35-39.	2.7	31
88	Tuning the emission spectrum of highly stable cesium lead halide perovskite nanocrystals through poly(lactic acid)-assisted anion-exchange reactions. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5375-5383.	2.7	62
89	Steric shielding protected and acidity-activated pop-up of ligand for tumor enhanced photodynamic therapy. <i>Journal of Controlled Release</i> , 2018, 279, 198-207.	4.8	12
90	Highly Tunable Hollow Gold Nanospheres: Gaining Size Control and Uniform Galvanic Exchange of Sacrificial Cobalt Boride Scaffolds. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12992-13001.	4.0	17

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91	Visible light driven hydrogen evolution by photocatalytic reforming of lignin and lactic acid using one-dimensional NiS/CdS nanostructures. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 229-239.	10.8	135
92	Improved Stability of Organometal Halide Perovskite Films and Solar Cells toward Humidity via Surface Passivation with Oleic Acid. <i>ACS Applied Energy Materials</i> , 2018, 1, 387-392.	2.5	66
93	Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Nanoparticles Functionalized with Gold and Poly(vinylpyrrolidone) for Bio-Separation and Sensing Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 1406-1412.	2.4	40
94	Complex Oxides Based on Silver, Bismuth, and Tungsten: Syntheses, Characterization, and Photoelectrochemical Behavior. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13473-13480.	1.5	11
95	Novel Pd-Co Electrocatalyst Supported on Carbon Fibers with Enhanced Electrocatalytic Activity for Coal Electrolysis To Produce Hydrogen. <i>ACS Applied Energy Materials</i> , 2018, 1, 267-272.	2.5	29
96	Enhanced photoelectrochemical and photocatalytic activities of CdS nanowires by surface modification with MoS <sub>2</sub> nanosheets. <i>Science China Materials</i> , 2018, 61, 839-850.	3.5	44
97	Molecular Adsorption Mechanism of Elemental Carbon Particles on Leaf Surface. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5182-5190.	4.6	10
98	Enhanced and Facet-specific Electrocatalytic Properties of Ag/Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> Composite Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12698-12707.	4.0	14
99	High Br <sup>+</sup> Content CsPb(Cl <sub>x</sub> Br <sub>3-x</sub> ) Perovskite Nanocrystals with Strong Mn <sup>2+</sup> Emission through Diverse Cation/Anion Exchange Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11739-11746.	4.0	92
100	Effect of temperature on light induced degradation in methylammonium lead iodide perovskite thin films and solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 566-571.	3.0	97
101	Two-Photon Photoluminescence and Photothermal Properties of Hollow Gold Nanospheres for Efficient Theranostic Applications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13304-13313.	1.5	14
102	Improving Charge Carrier Delocalization in Perovskite Quantum Dots by Surface Passivation with Conductive Aromatic Ligands. <i>ACS Energy Letters</i> , 2018, 3, 2931-2939.	8.8	116
103	Highly Photoluminescent and Stable N-Doped Carbon Dots as Nanoprobes for Hg <sup>2+</sup> Detection. <i>Nanomaterials</i> , 2018, 8, 900.	1.9	50
104	Enhancing Solar-Driven Water Splitting with Surface-Engineered Nanostructures. <i>Solar Rrl</i> , 2018, 3, 1800285.	3.1	5
105	Spin-optotronic Properties of Organometal Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6103-6111.	2.1	22
106	Design of Gold Hollow Nanorods with Controllable Aspect Ratio for Multimodal Imaging and Combined Chemo-Photothermal Therapy in the Second Near-Infrared Window. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 36703-36710.	4.0	74
107	Hybrid organic-inorganic lead bromide perovskite supercrystals self-assembled with L-cysteine and their good luminescence properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10994-11001.	2.7	33
108	Detection of Saturated Fatty Acids Associated with a Self-Healing Synthetic Biological Membrane Using Fiber-Enhanced Surface Enhanced Raman Scattering. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8396-8403.	1.2	6



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109	Dependence of Interfacial Charge Transfer on Bifunctional Aromatic Molecular Linkers in CdSe Quantum Dot Sensitized TiO <sub>2</sub> Photoelectrodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 2907-2917.	2.5	14
110	Synthesis, properties, and optoelectronic applications of two-dimensional MoS <sub>2</sub> and MoS <sub>2</sub> -based heterostructures. <i>Chemical Society Reviews</i> , 2018, 47, 6101-6127.	18.7	293
111	Tumor-triggered transformation of chimeric peptide for dual-stage-amplified magnetic resonance imaging and precise photodynamic therapy. <i>Biomaterials</i> , 2018, 182, 269-278.	5.7	45
112	Controlled Synthesis of Fe <sub>3</sub> O <sub>4</sub> Nanospheres Coated with Nitrogen-Doped Carbon for High Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2018, 1, 4599-4605.	2.5	21
113	Photophysical Properties and Improved Stability of Organic-Inorganic Perovskite by Surface Passivation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15799-15818.	1.5	70
114	(Invited) Enhanced Photoelectrochemical and Photocatalytic Activities of CdS Nanowires By Surface Modification with Transition Metal Chalcogenides. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
115	Peptide-Passivated Lead Halide Perovskite Nanocrystals Based on Synergistic Effect between Amino and Carboxylic Functional Groups. <i>Advanced Functional Materials</i> , 2017, 27, 1604018.	7.8	105
116	Lead Halide Perovskite Nanocrystals: Stability, Surface Passivation, and Structural Control. <i>ChemNanoMat</i> , 2017, 3, 456-465.	1.5	42
117	Tumor-Triggered Geometrical Shape Switch of Chimeric Peptide for Enhanced <i>in Vivo</i> Tumor Internalization and Photodynamic Therapy. <i>ACS Nano</i> , 2017, 11, 3178-3188.	7.3	109
118	Size-Tunable Synthesis of Hollow Gold Nanospheres through Control of Reaction Temperature. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600255.	1.2	12
119	Stabilization of the Cubic Crystalline Phase in Organometal Halide Perovskite Quantum Dots via Surface Energy Manipulation. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5378-5384.	2.1	27
120	What Does an Important New Physical Insight Mean? Answers for the Community of 2D Materials Experimental Researchers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14993-14993.	1.5	0
121	pH-Responsive Nanoscale Coordination Polymer for Efficient Drug Delivery and Real-Time Release Monitoring. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700470.	3.9	36
122	Well-designed 3D ZnIn <sub>2</sub> S <sub>4</sub> nanosheets/TiO <sub>2</sub> nanobelts as direct Z-scheme photocatalysts for CO <sub>2</sub> photoreduction into renewable hydrocarbon fuel with high efficiency. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 611-618.	10.8	375
123	A two layer electrode structure for improved Li Ion diffusion and volumetric capacity in Li Ion batteries. <i>Nano Energy</i> , 2017, 31, 377-385.	8.2	60
124	Organolead Halide Perovskite Nanocrystals: Branched Capping Ligands Control Crystal Size and Stability. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8864-8868.	7.2	282
125	Organolead Halide Perovskite Nanocrystals: Branched Capping Ligands Control Crystal Size and Stability. <i>Angewandte Chemie</i> , 2016, 128, 9010-9014.	1.6	51
126	Mechanisms for light induced degradation in MAPbI <sub>3</sub> perovskite thin films and solar cells. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	198



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127	Hematite heterostructures for photoelectrochemical water splitting: rational materials design and charge carrier dynamics. <i>Energy and Environmental Science</i> , 2016, 9, 2744-2775.	15.6	450
128	Efficient perovskite solar cells by metal ion doping. <i>Energy and Environmental Science</i> , 2016, 9, 2892-2901.	15.6	372
129	Enhancement of the photocatalytic activity of a TiO <sub>2</sub> /carbon aerogel based on a hydrophilic secondary pore structure. <i>RSC Advances</i> , 2016, 6, 68416-68423.	1.7	23
130	Chemical Nature of Redox-Controlled Photoluminescence of Graphene Quantum Dots by Post-Synthesis Treatment. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26004-26011.	1.5	32
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